

FIG. 1

16a



FIG. 2

Mach-Zehnder Device Transfer Function

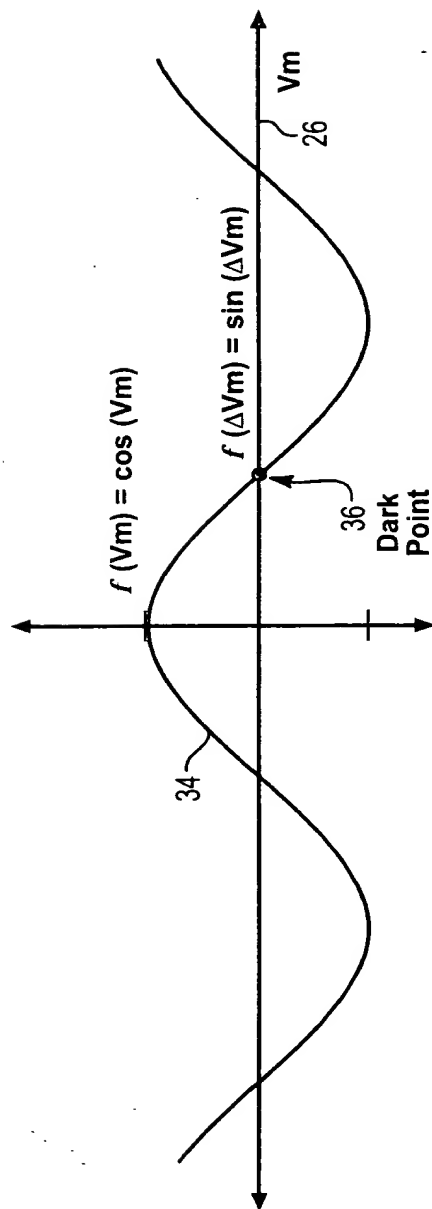


FIG. 3

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Modulation Synthesizer

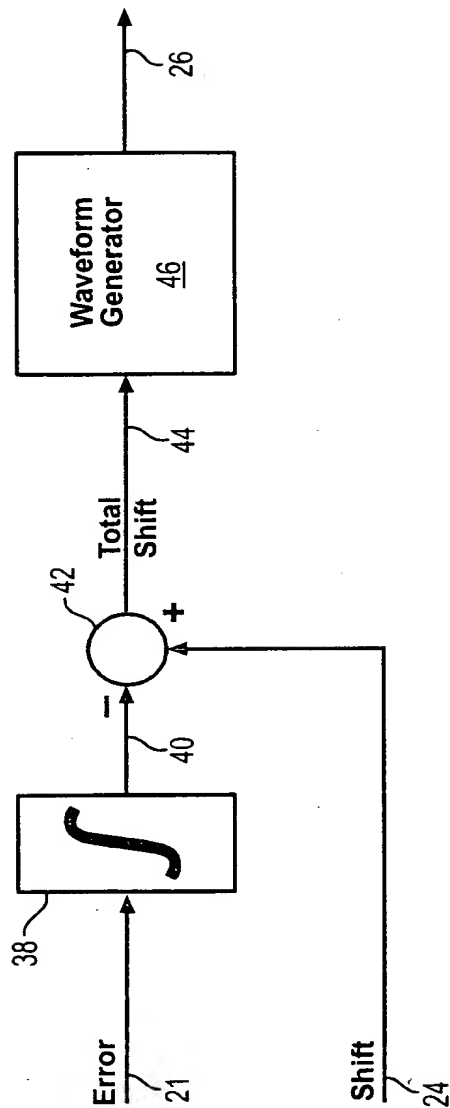


FIG. 4

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Quadrature Modulation Synthesizer (With On/Off Data Keying)

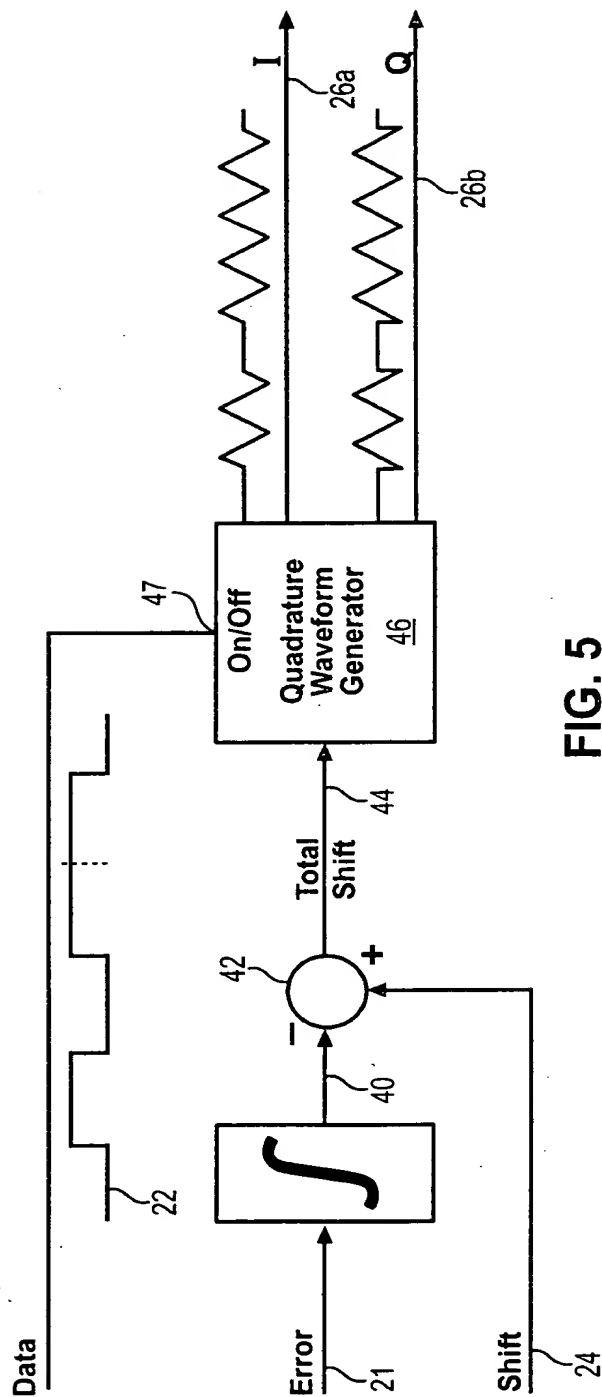


FIG. 5

the present invention is not limited to the specific details of the present invention.

Phase Modulation Device

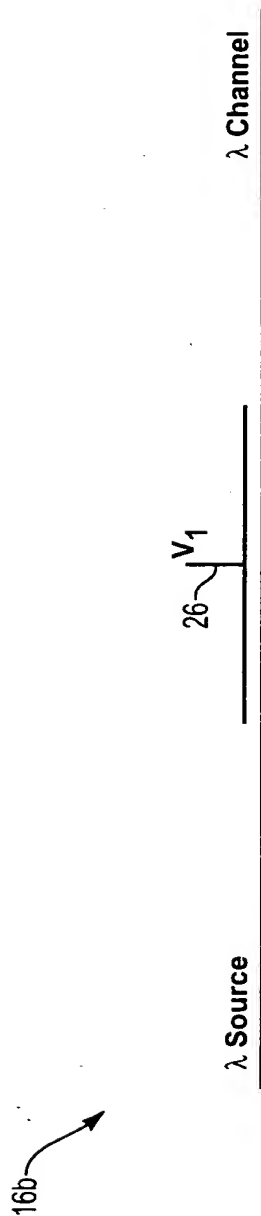


FIG. 6

Modulation Synthesizer (With Frequency Shift Keying)

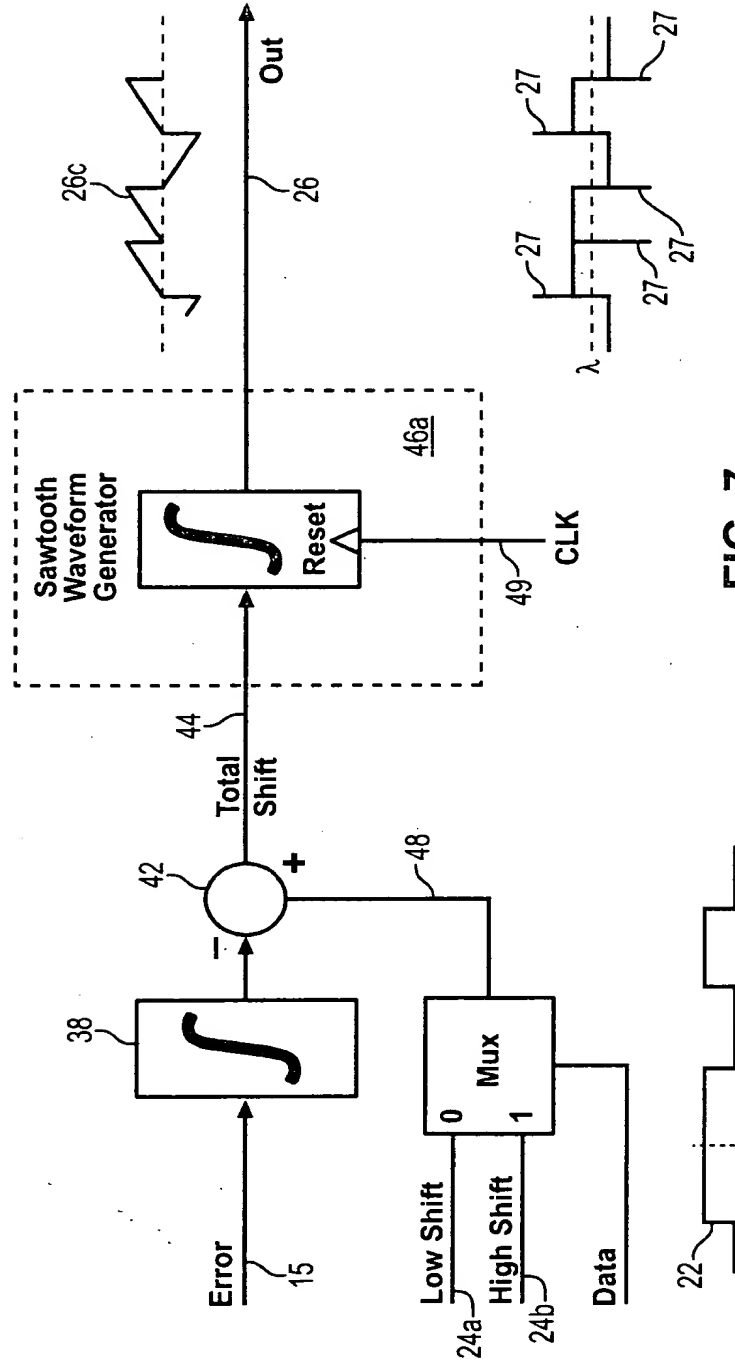


FIG. 7

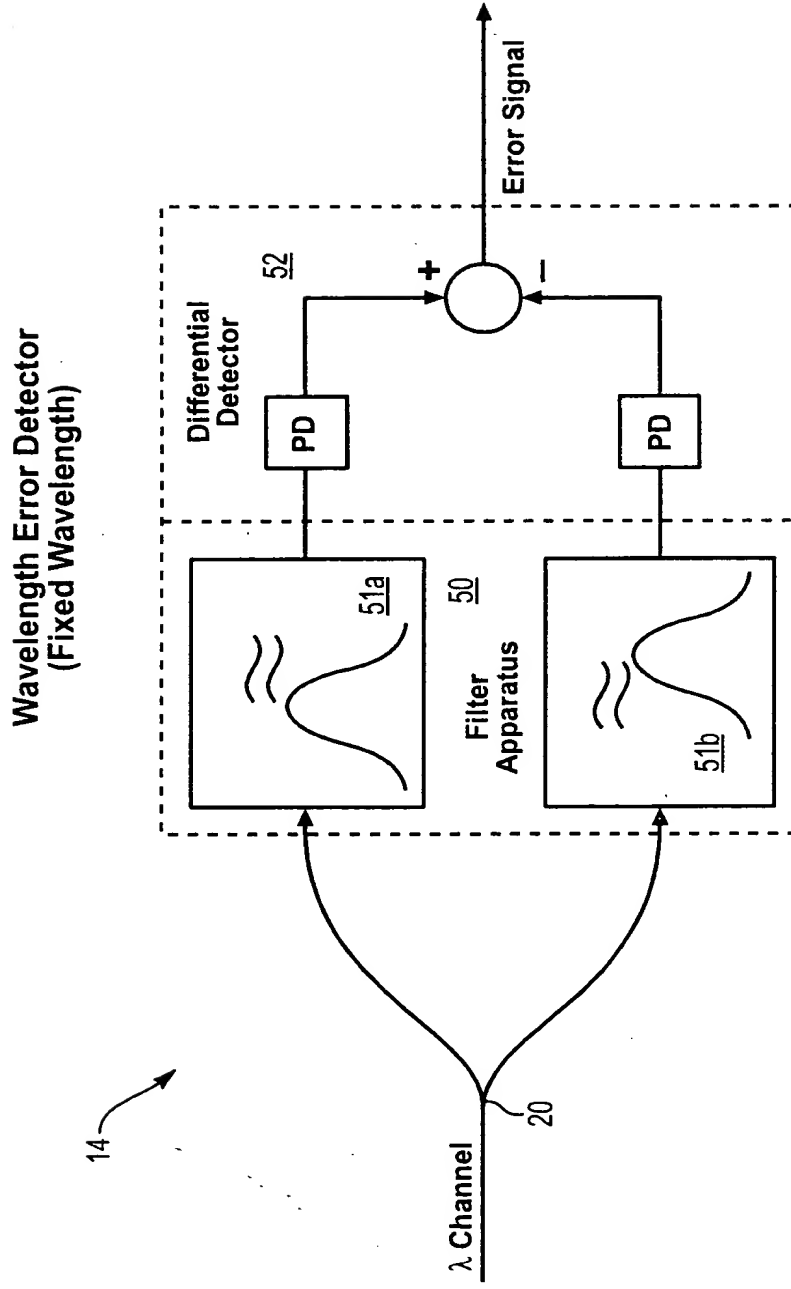


FIG. 8

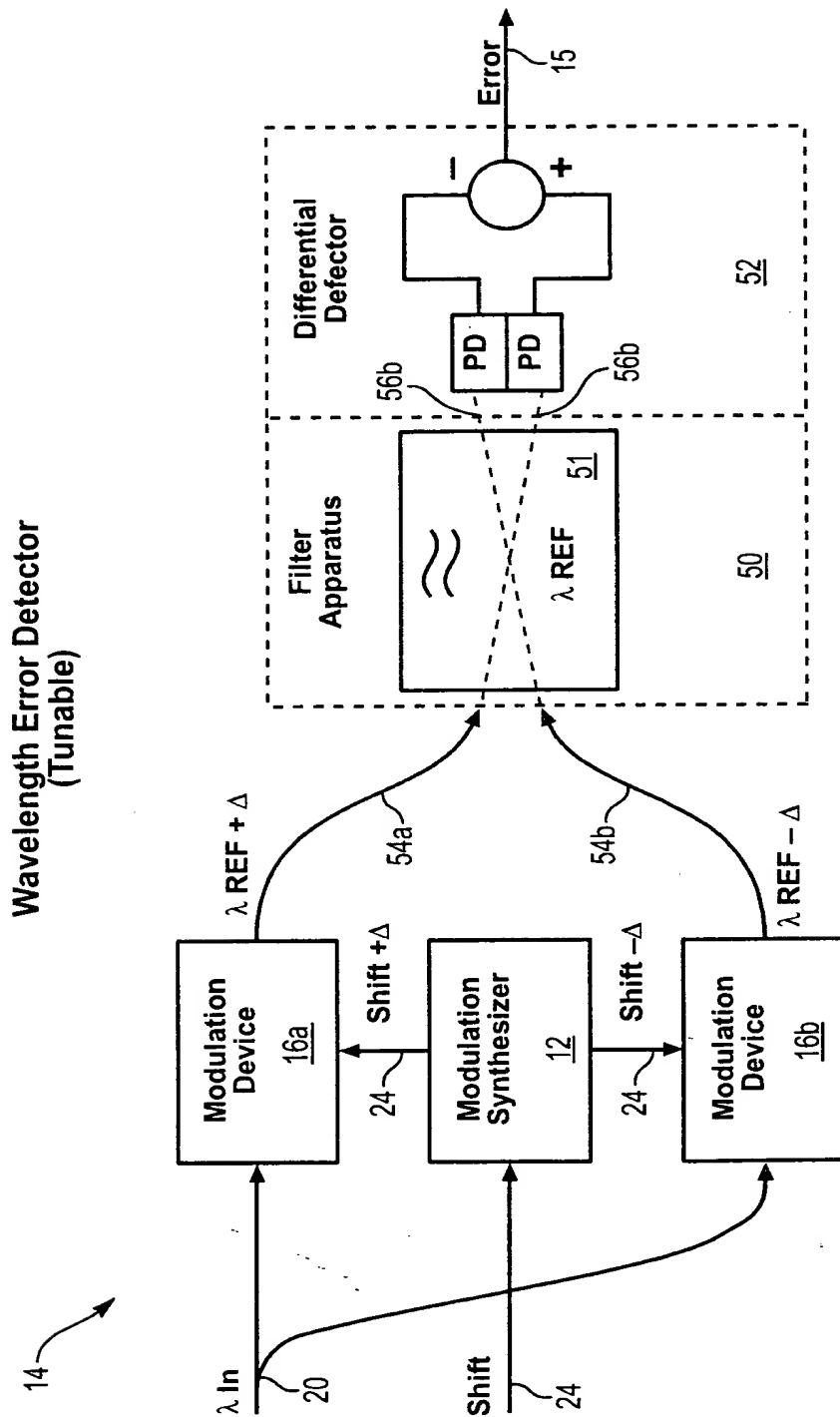


FIG. 9

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Wavelength Error Detector (Tunable)

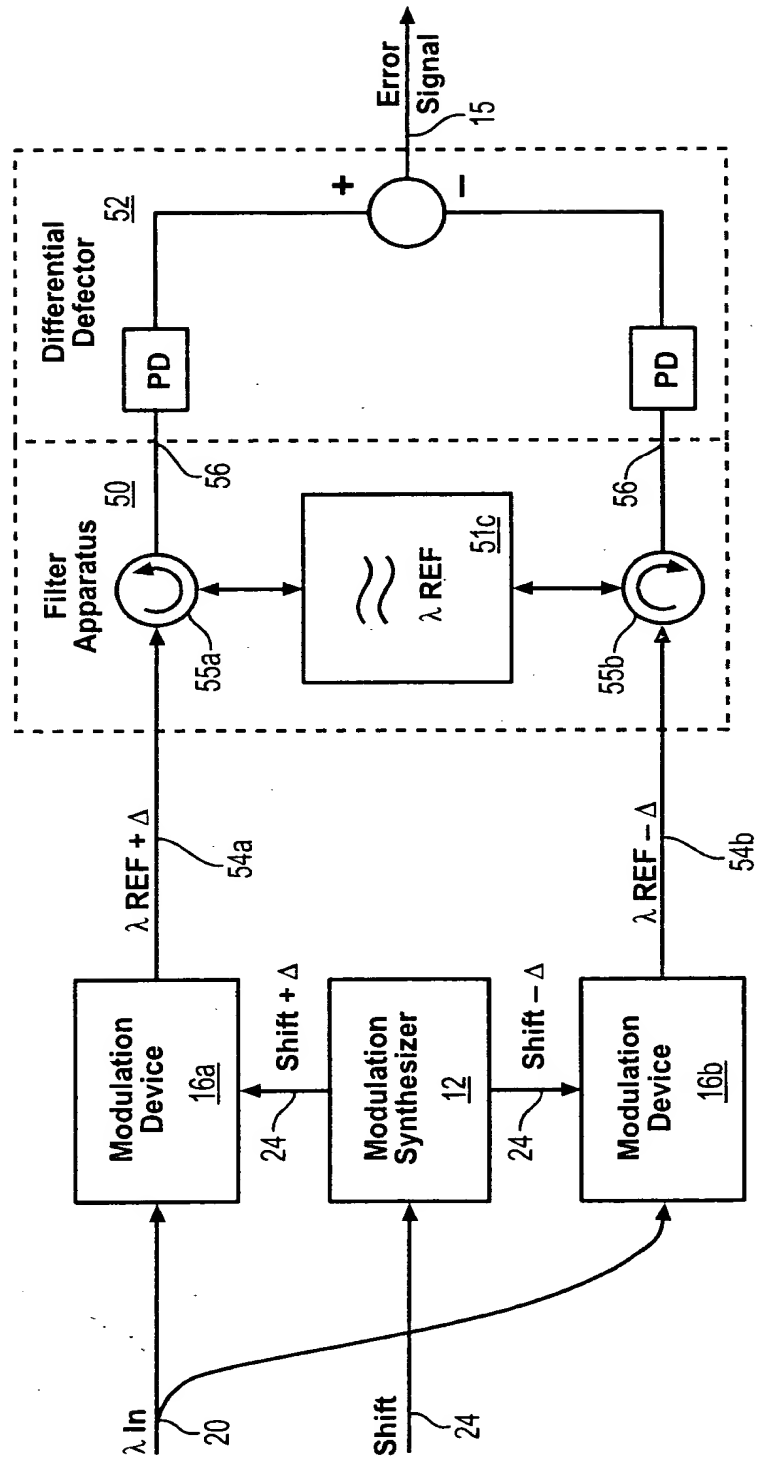


FIG. 10

Channel Allocation Mechanism

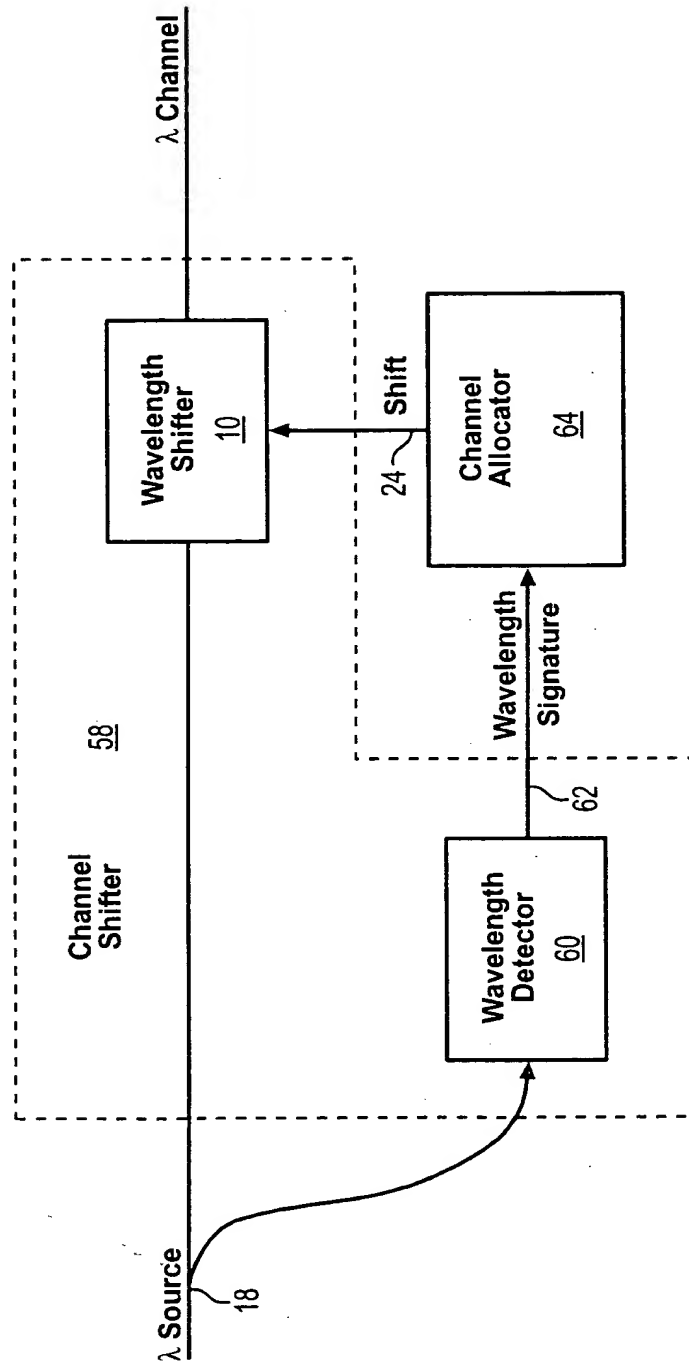


FIG. 11

FIG. 12 is a block diagram of a Tunable Wavelength Stabilized Transmitter.

Tunable Wavelength Stabilized Transmitter

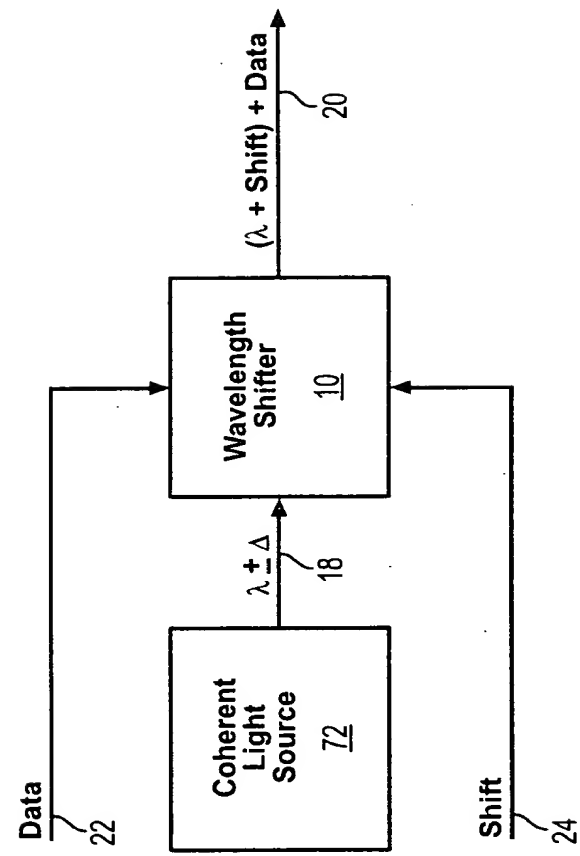


FIG. 12

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Recursive Wavelength Shifter

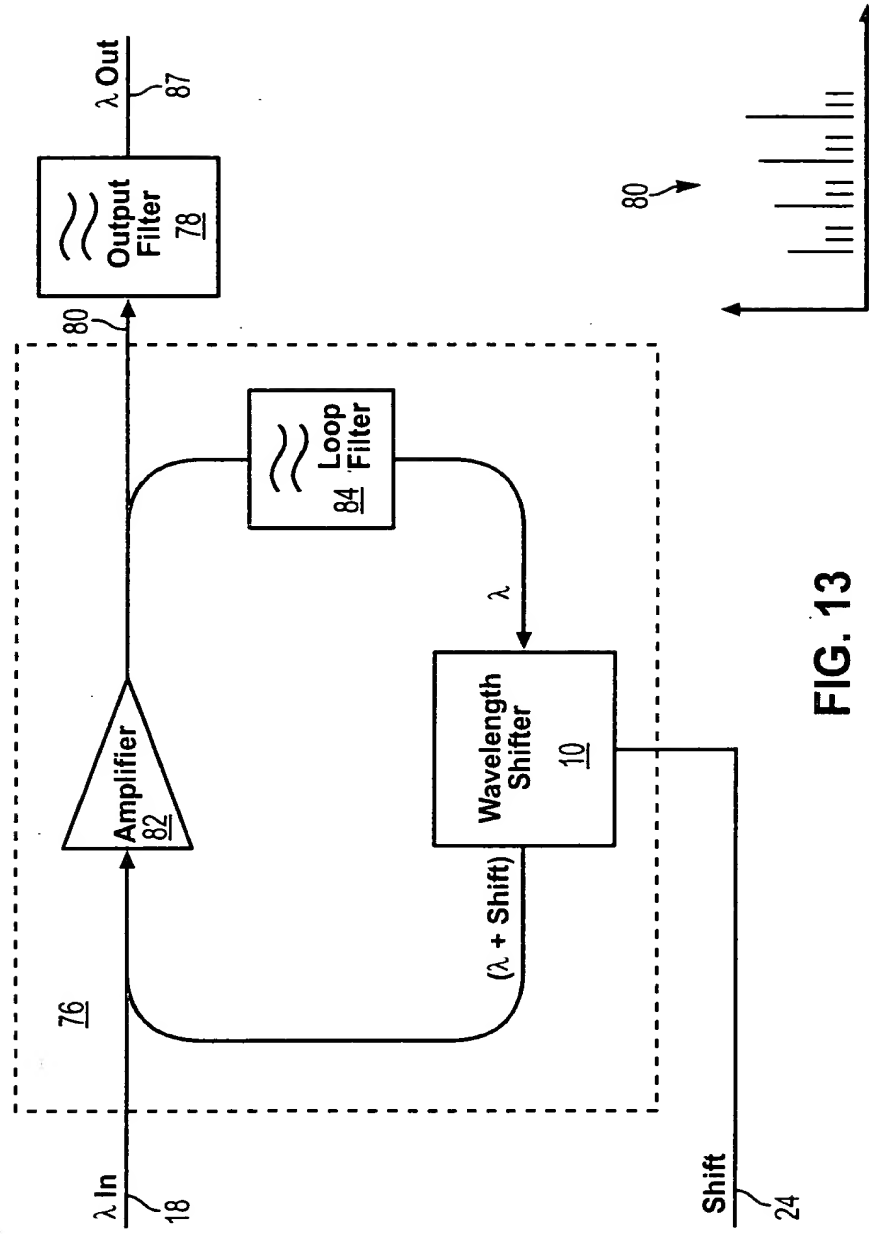


FIG. 13

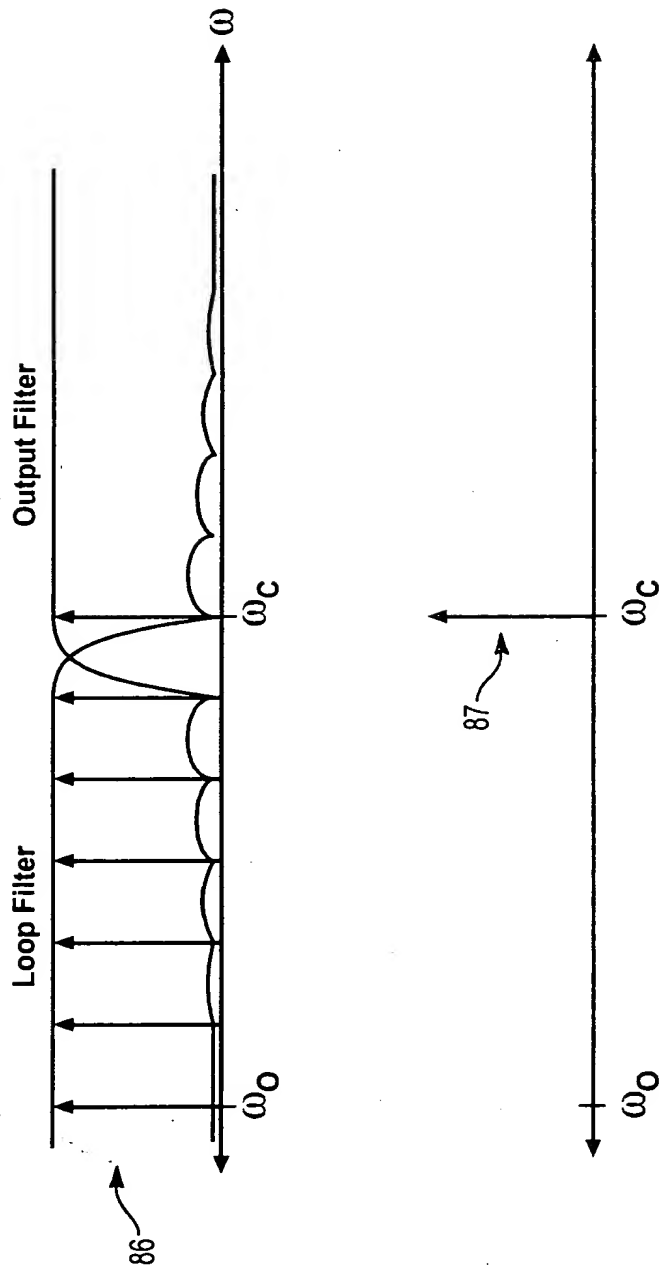


FIG. 14